42\textsuperscript{nd} Meeting of the Radiation Safety Standards Committee (RASSC) and 43\textsuperscript{rd} Meeting of the Waste Safety Standards Committee (WASSC)

13 – 14 June 2017

Agenda Item RW5.1
DPP for the revision of IAEA Safety Standards Series No. GS-G-2.1: Arrangements for Preparedness and Response for a Nuclear or Radiological Emergency (DS504)

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Incident and Emergency Centre
Background

• Published in 2007
  – In use for 10 years already
• Co-sponsored by FAO, IAEA, ILO, OCHA, WHO, PAHO

• Objective:
  – To provide guidance on a number or requirements established in GS-R-2
  – To describe appropriate responses for a range of emergencies
  – To provide background information underpinning GS-R-2 requirements
Background (cont’d)

• Many developments since 2007:
  – GSG-2 was issued in 2011
    • Superseded the concept of intervention levels and generic action levels applied in GS-G-2.1
  – GSR Part 7 was issued in 2015
    • Superseded GS-R-2 which provided basis for GS-G-2.1
  – Two Safety Guides in EPR approved for development
    • DS474, DS475 (to be completed 2017/2018)
As a result:

- **GS-G-2.1 review** was carried out in 2016 to identify any need for its revision to ensure it supports adequately GSR Part 7 implementation taking account of other EPR related guidance (published or under development)

- **Questionnaire** was distributed among Member States to gather their feedback on usefulness of GS-G-2.1 and on any changes they would like to see in future

- **EPReSC WG** was established to review GS-G-2.1 and to discuss its future

Results from these activities are documented in Appendices 1 to 3 and Annexes 1 to 2 of proposed DPP
Justification

• Need for revision was evident so it better addresses how specific requirements in GSR Part 7 can be met while:
  – Ensuring **consistency** in terminology and concepts with GSR Part 7
  – Providing more **detailed guidance on a number of requirements in GSR Part 7**, such as those for infrastructure
  – Removing **outdated guidance or other guidance** which has been addressed in more recent EPR related safety standards
  – Ensure appropriate **cross-references** are given to various EPR related safety standards
  – Addressing **all the five emergency preparedness categories** with a common guidance
Justification (cont’d)

- Revised GS-G-2.1 **cannot** provide complete guidance on all GSR Part 7 requirements
  - Not user-friendly
  - Not manageable content wise
    - In terms of time and resources

- Areas for consideration in other future guidance publications
  - Guidance that is specific to certain type of emergency or to a facility or an activity
    - Mitigatory actions, EALs, assessment etc.
  - Guidance specific to a topic (e.g. addressing very specific group of target audience)
    - Medical EPR etc.
Objective of revised GS-G-2.1

- To provide guidance and recommendations to Member States on arrangements for preparedness and response for a nuclear or radiological emergency, irrespective of its cause, in support of a selected number of requirements in GSR Part 7
Scope

• Any nuclear or radiological emergency irrespective of the cause
Target audience

• Emergency planners with responsibilities to prepare adequately to respond effectively to any nuclear or radiological emergency at facility, local, regional and national levels and respective personnel
  – Governments
  – Response organizations
  – Operating organizations
  – Regulatory bodies
Expected contents

• Follows GS-G-2.1 to a great extent:
  – Section 1: Introduction
    • Background, Objective, Scope and Structure
  – Section 2: General Requirements
    • Guidance supporting the application of Requirements 1, 2 and 4 of GSR Part 7
  – Section 3: Functional Requirements
    • Guidance supporting the application of Requirements 6, 7, 9, 14, 17, and 19 of GSR Part 7
Expected contents (cont’d)

• Follows GS-G-2.1 to a great extent:
  – Section 4: Requirements for Infrastructure
    • Guidance supporting the application of Requirements 20 – 26 of GSR Part 7
  – Section 5: Concept of operations
  – Appendices
    • Typical Emergency Preparedness Categories, Emergency Planning Zones and Distances, Dangerous sources, Response time objectives, Emergency Response Facilities and Locations, Typical emergency response organization; Templates for emergency plans and procedures; Typical training programme; Typical exercise regime etc.
Expected contents (cont’d)

• Follows GS-G-2.1 to a great extent:
  – References
  – Annexes
    • Informational material supporting the guidance
  – Contributors to Drafting and Review
# Production Schedule

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<td><strong>1</strong></td>
<td>Preparing a DPP</td>
<td>completed</td>
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<tr>
<td><strong>2</strong></td>
<td>Approval of DPP by the Coordination Committee</td>
<td>completed</td>
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<td><strong>3</strong></td>
<td>Approval of DPP by the relevant review Committees</td>
<td>June-July 2017</td>
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Review Committees

• EPReSC (lead)
• RASSC
• NUSSC
• TRANSSC
• NSGC (interface document)
### Overview of comments

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<tr>
<td><strong>EPReSC (7 MSs)</strong></td>
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- **Table of resolutions and updated DPP** posted for information in May 2017
- **Changes introduced** are not essential and do not impact the proposed objective, scope and content of revised guidance
Overview of rejected comments

- Inclusion of minimum guidance for every requirement or for specific requirements in GSR Part 7 identified in the analysis to remain out of the scope of GS-G-2.1 revision
  - These have not been identified as priority areas due to their coverage in other EPR related Safety Standards or within EPR Series (existing or under development)

- Listing of all relevant Safety Standards including Safety Guides and Nuclear Security Publications in DPP
  - All these Series publications will be taken into account as relevant and referenced in revised guidance as appropriate. The list given in DPP cannot include all publications although e.g. Nuclear Security Series are mentioned
Late comment

• NUSSC
  – Use of ‘requirements’ in the title of the proposed Sections

• Response:
  – Proposed structure follows current GS-G-2.1
  – Accepted
    • ‘Guidance for meeting … requirements’
Expected action

• Approval for submission to CSS
Thank you!